

CLAIMS

1. A method of constructing a composite foundation structure including the steps of:
 - 5 - providing a plurality of panels;
 - arranging the panels to provide shuttering defining a grid of intersecting channels for receiving settable material;
 - casting settable material into the channels; and
 - allowing the settable material to set and to bond to the shuttering

10 so that the panels are incorporated into the foundation structure as an integral part thereof.
2. A method according to claim 1, which includes the further step of providing a level surface on which the shuttering is constructed.
- 15 3. A method according to claim 1 or 2 wherein the shuttering are arranged such that they form angular structures each defining an internal opening, the grid of channels being defined between adjacent structures.
- 20 4. A method according to claim 3 wherein adjacent structures are connected to and spaced from each other with spacers.

5. ~~A method according to claim 3 or 4 insofar as they are dependant on claim 2 wherein the step of providing a level surface on which the~~
shuttering is constructed includes levelling the existing soil surface,
by removing soil, which includes the further step of returning removed
5 soil to the internal openings after the step of arranging the panels and
prior to casting the settable material into the channels.
6. A method according to claim 5, which includes the further step of
compacting the soil in the openings.
- 10 7. A method according to any one of the preceding claims wherein the
panels are selected from the group comprising non-degradable pre-
cast concrete and fibre reinforced cementitious material.
- 15 8. A method according to claim 4 wherein the spacers are of
cementitious material.
9. A method substantially as herein described with reference to the
accompanying drawings.
- 20 10. A composite foundation structure constructed according to the
method of any one of claims 1 to 9.

11. A foundation structure comprising a grid of intersecting beams of set
settable material and shuttering of pre-cast panels bonded to the
settable material.
- 5 12. A foundation structure according to claim 11 wherein the shuttering is
of settable material.
13. A foundation structure according to claim 11 or 12 wherein the panels
are selected from the group comprising non-degradable pre-cast
10 concrete and fibre reinforced cementitious material.
14. A foundation structure substantially as herein described and as
illustrated in the accompanying drawings.